

PTO/SB/21 (09-04)
Approved for use through 07/31/2006. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

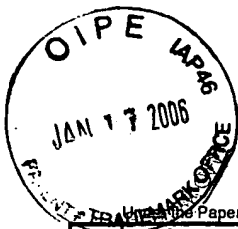
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

TRANSMITTAL FORM (to be used for all correspondence after initial filing)	Application Number	10/099,883-Conf. #5431
	Filing Date	March 14, 2002
	First Named Inventor	John H. Oates
	Art Unit	2637
	Examiner Name	S. Vlahos
Total Number of Pages in This Submission	Attorney Docket Number	102323-0099

ENCLOSURES (Check all that apply)		
<input checked="" type="checkbox"/> Fee Transmittal Form <input checked="" type="checkbox"/> Fee Attached <input type="checkbox"/> Amendment/Reply <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s) <input type="checkbox"/> Extension of Time Request <input type="checkbox"/> Express Abandonment Request <input checked="" type="checkbox"/> Information Disclosure Statement <input type="checkbox"/> Certified Copy of Priority Document(s) <input type="checkbox"/> Reply to Missing Parts/Incomplete Application <input type="checkbox"/> Reply to Missing Parts under 37 CFR 1.52 or 1.53	<input type="checkbox"/> Drawing(s) <input type="checkbox"/> Licensing-related Papers <input type="checkbox"/> Petition <input type="checkbox"/> Petition to Convert to a Provisional Application <input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Request for Refund <input type="checkbox"/> CD, Number of CD(s) _____ <input type="checkbox"/> Landscape Table on CD	<input type="checkbox"/> After Allowance Communication to TC <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communication to TC (Appeal Notice, Brief, Reply Brief) <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input checked="" type="checkbox"/> Other Enclosure(s) (please identify below): Return Receipt Postcard
Remarks		

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT			
Firm Name	NUTTER MCLENNEN & FISH LLP		
Signature			
Printed name	David J. Powsner		
Date	1-11-06	Reg. No.	31,868

Transmittal	
I hereby certify that this paper (along with any paper referred to as being attached or enclosed) is being deposited with the U.S. Postal Service on the date shown below with sufficient postage as First Class Mail, in an envelope addressed to: MS Amendment, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.	
Dated: 1-11-06	Signature: (David J. Powsner)



232
11-06

PTO/SB/17 (12-04v2)

Approved for use through 7/31/2006. OMB 0651-0032
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no person are required to respond to a collection of information unless it displays a valid OMB control number.
Effective on 12/08/2004.
Fees pursuant to the Consolidated Appropriations Act, 2005 (H.R. 4818).

FEE TRANSMITTAL For FY 2005

☐ Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT (\$) 180.00

Complete if Known

Application Number	10/099,883-Conf. #5431
Filing Date	March 14, 2002
First Named Inventor	John H. Oates
Examiner Name	S. Vlahos
Art Unit	2637
Attorney Docket No.	102323-0099

METHOD OF PAYMENT (check all that apply)

☒ Check ☐ Credit Card ☐ Money Order ☐ None ☐ Other (please identify): _____
☐ Deposit Account Deposit Account Number: 141449 Deposit Account Name: _____

For the above-identified deposit account, the Director is hereby authorized to: (check all that apply)

☐ Charge fee(s) indicated below ☐ Charge fee(s) indicated below, except for the filing fee
☐ Charge any additional fee(s) or underpayment of fee(s) under 37 CFR 1.16 and 1.17 ☒ Credit any overpayments

FEE CALCULATION

1. BASIC FILING, SEARCH, AND EXAMINATION FEES

Application Type	FILING FEES		SEARCH FEES		EXAMINATION FEES		Fees Paid (\$)
	Fee (\$)	Small Entity Fee (\$)	Fee (\$)	Small Entity Fee (\$)	Fee (\$)	Small Entity Fee (\$)	
Utility	300	150	500	250	200	100	
Design	200	100	100	50	130	65	
Plant	200	100	300	150	160	80	
Reissue	300	150	500	250	600	300	
Provisional	200	100	0	0	0	0	

2. EXCESS CLAIM FEES

Fee Description	Fee (\$)	Small Entity Fee (\$)
Each claim over 20 (including Reissues)	50	25
Each independent claim over 3 (including Reissues)	200	100
Multiple dependent claims	360	180

Total Claims	Extra Claims	Fee (\$)	Fee Paid (\$)	Multiple Dependent Claims
_____ - 20 = _____	x _____	= _____		Fee (\$) Fee Paid (\$)
Indep. Claims	Extra Claims	Fee (\$)	Fee Paid (\$)	
_____ - 3 = _____	x _____	= _____		

3. APPLICATION SIZE FEE

If the specification and drawings exceed 100 sheets of paper (excluding electronically filed sequence or computer listings under 37 CFR 1.52(e)), the application size fee due is \$250 (\$125 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).

Total Sheets	Extra Sheets	Number of each additional 50 or fraction thereof	Fee (\$)	Fee Paid (\$)
_____ - 100 = _____	/50	_____ (round up to a whole number) x _____	= _____	

4. OTHER FEE(S)

Non-English Specification, \$130 fee (no small entity discount)

Other (e.g., late filing surcharge): 1806 Submission of an Information Disclosure Statement 180.00

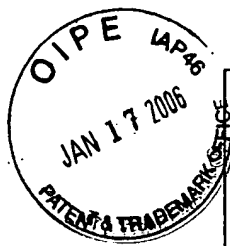
SUBMITTED BY

Signature		Registration No. (Attorney/Agent)	31,868	Telephone	(617) 439-2000
Name (Print/Type)	David J. Powsner	Date	1-11-06		

Fee Transmittal

I hereby certify that this paper (along with any paper referred to as being attached or enclosed) is being deposited with the U.S. Postal Service on the date shown below with sufficient postage as First Class Mail, in an envelope addressed to: MS Amendment, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Dated: 1-11-06 Signature: (David J. Powsner)



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Dated: 1-11-06

Signature:

(David J. Powsner)

Docket No.: 102323-0099
(PATENT)

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of:
John H. Oates et al.

Application No.: 10/099,883

Confirmation No.: 5431

Filed: March 14, 2002

Art Unit: 2637

For: WIRELESS COMMUNICATIONS
SYSTEMS AND METHODS FOR
MULTIPLE PROCESSOR BASED
MULTIPLE USER DETECTION

Examiner: S. Vlahos

INFORMATION DISCLOSURE STATEMENT (IDS)

MS Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Dear Sir:

Pursuant to 37 CFR 1.56, 1.97 and 1.98, the attention of the Patent and Trademark Office is hereby directed to the ^{publications of 1-11-06} references listed on the attached PTO/SB/08. It is respectfully requested that the information be expressly considered during the prosecution of this application, and that the references be made of record therein and appear among the "References Cited" on any patent to issue therefrom.

This Information Disclosure Statement is filed more than three months after the U.S. filing date, OR more than three months after the date of entry of the national stage of a PCT application, AND after the mailing date of the first Office Action on the merits, whichever occurs first, but before the mailing date of a Final Office Action or Notice of Allowance (37 CFR 1.97(c)).

Applicant has not submitted copies of each cited U.S. patent and U.S. patent application as required by 37 CFR 1.98(a)(2)(i), amended October 2004, as the U.S. Patent and Trademark

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Office has waived this requirement for all U.S. patent applications. Applicant submits herewith copies of foreign and non-patents in accordance with 37 CFR 1.98(a)(2).

In accordance with 37 CFR 1.97(g), the filing of this Information Disclosure Statement shall not be construed to mean that a search has been made or that no other material information as defined in 37 CFR 1.56(a) exists. In accordance with 37 CFR 1.97(h), the filing of this Information Disclosure statement shall not be construed to be an admission that the information cited in the statement is, or is considered to be, material to patentability as defined in § 1.56 (b).

It is submitted that the Information Disclosure Statement is in compliance with 37 CFR 1.98 and the Examiner is respectfully requested to consider the listed ^{Publication 2011-02} references.

Our check in the amount of \$180.00 covering the fee set forth in 37 CFR 1.17(p) is enclosed. The Director is hereby authorized to charge any deficiency in the fees filed, asserted to be filed or which should have been filed herewith (or with any paper hereafter filed in this application by this firm) to our Deposit Account No. 141449, under Order No. 102323-0099. A duplicate copy of this paper is enclosed.

Dated: 1-15-06

Respectfully submitted,

By 

David J. Powsner

Registration No.: 31,868

NUTTER MCCLENNEN & FISH LLP

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Attorney for Applicant



PTO/SB/08a/b (07-05)

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U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/B/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)				Complete if Known	
				Application Number	10/099,883-Conf. #5431
				Filing Date	March 14, 2002
				First Named Inventor	John H. Oates
				Art Unit	2637
				Examiner Name	S. Vlahos
Sheet	1	of	1	Attorney Docket Number	102323-0099

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
	AA*	US-6,570,864	05-27-2003	Kim et al.	
	AB*	US-6,011,812	01-04-2000	Laakso et al.	
	AC*	US-6,154,443	11-28-2000	Huang et al.	
	AD*	US-6,754,805	06-22-2004	Juan	
	AE*	US-6,782,036	08-24-2004	Dowling et al.	
	AF*	US-6,127,973	10-03-2000	Choi et al.	
	AG*	US-2002/0118728A1	09-29-2002	Mohseni, Mohammad J.	
	AH*	US-2003/0206577A1	11-06-2003	Liberti, Joseph Charles Jr. et al.	
	AI*	US-2003/0002569	01-02-2003	Oates	
	AJ*	US-2003/0099225	05-29-2003	Oates	
	AK*	US-2003/0091106	05-15-2003	Oates	
	AL*	US-2003/0091102	05-15-2003	Oates	
	AM*	US-2003/0198197	10-23-2003	Oates	
	AN*	US-2003/0128739	07-10-2003	Oates	
	AO*	US-2003/0231702	12-18-2003	Oates	
	AP*	US-2003/0191887	10-09-2003	Oates	
	AQ*	US-2003/0202559	10-30-2003	Oates	
	AR*	US-2003/0091058	05-15-2003	Oates	
	AS*	US-2003/0076875	04-23-2003	Oates	
	AT*	US-2003/0099224	05-29-2003	Oates	
	AU*	US-2003/0103558	06-05-2003	Oates	
	AV*	US-2002/0122392	09-05-2002	Elezabi, Ayman	
	AW*	US-2003/0058929A1	03-27-2003	Cox, Earl C. et al.	
	AX*	US-2004/0213329A1	10-28-2004	Takashi et al.	
	AY*	US-5,757,791	05-26-1998	Kanterakis et al.	
	AZ*	US-6,647,059	11-11-2003	Faruque	
	AA1*	US-6,600,729	07-29-2003	Suzuki	
	AB1*	US-6,842,480	01-11-2005	Yang et al.	
	AC1*	US-6,801,565	10-05-2004	Bottomley et al.	
	AD1*	US-6,370,130	04-09-2002	Zhou et al.	
	AE1*	US-6,067,292	05-23-2000	Huang et al.	
	AF1*	US-5,644,592	07-01-1997	Divsalar et al.	

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)				
	BA	DE-198 41 578 A1	03-16-2000			
	BB	EP-0 982875 A2	01-03-2000			

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. * CITE NO.: Those application(s) which are marked with an asterisk (*) next to the Cite No. are not supplied (under 37 CFR 1.98(a)(2)(iii)) because that application was filed after June 30, 2003 or is available in the IFW. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

Examiner Signature		Date Considered	
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